

Message

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**From:** Bordelon, David [David.Bordelon@WestonSolutions.com]  
**Sent:** 3/15/2019 6:46:43 PM  
**To:** Fife, Greg [fife.greg@epa.gov]; Brozowski, George [brozowski.george@epa.gov]; Poppell, Sam W. [Poppell.Sam@epa.gov]  
**Subject:** FW: Lowerline Assessment Data  
**Attachments:** ATT00001.txt; Lowerline St Assessment.pdf

With scale reflecting ARS's standards.



**David Bordelon**  
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(225) 297-5403 Direct  
(225) 772-7921 Cell  
[David.Bordelon@westonsolutions.com](mailto:David.Bordelon@westonsolutions.com)

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**From:** Cook, David  
**Sent:** Friday, March 15, 2019 1:35 PM  
**To:** Bordelon, David <David.Bordelon@WestonSolutions.com>; Schoenfelder, Robert P. <R.Schoenfelder@WestonSolutions.com>; Cheek, Sam <Sam.Cheek@WestonSolutions.com>  
**Subject:** RE: Lowerline Assessment Data

Note that the highest CPM value in the dataset I was provided was 384595 which doesn't match the threshold maximum value shown below.

Updated map attached.

**David Cook**  
**START R6 IT/Data Management Lead**  
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**From:** Bordelon, David  
**Sent:** Friday, March 15, 2019 12:24 PM  
**To:** Schoenfelder, Robert P. <R.Schoenfelder@WestonSolutions.com>; Cheek, Sam <Sam.Cheek@WestonSolutions.com>; Cook, David <David.Cook@WestonSolutions.com>  
**Subject:** FW: Lowerline Assessment Data

See below



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**From:** Kelly Ausbrooks [<mailto:kausbrooks@amrad.com>]

**Sent:** Friday, March 15, 2019 12:22 PM

**To:** Bordelon, David <[David.Bordelon@WestonSolutions.com](mailto:David.Bordelon@WestonSolutions.com)>

**Cc:** Greg Lord <[glord@aar-llc.com](mailto:glord@aar-llc.com)>

**Subject:** RE: Lowerline Assessment Data

**\*\* External Email \*\***

Background was established using the GPS data, subtracting the obviously elevated results.

Mean was 1627 cpm with a median of 1564. Standard deviation was 362.

We considered 1627 as the background value. Note, this was a surface measurement. We would need to correct in the excavation due to geometry variation.

The detector was collimated and shielded. That's why the results are so low for a 2x2 NaI.

Bins for the graphic are as follows

0-2350 – green (mean + 2 sigma)

2351-2700 – blue (mean + 3 sigma)

2701-3050

3051 – 6550

6551-10050

10051-45050

45051-80050

80051-115050

115051-465050 – hot pink or magenta

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**From:** Bordelon, David <[David.Bordelon@WestonSolutions.com](mailto:David.Bordelon@WestonSolutions.com)>

**Sent:** Friday, March 15, 2019 11:14 AM

**To:** Kelly Ausbrooks <[kausbrooks@amrad.com](mailto:kausbrooks@amrad.com)>

**Subject:** RE: Lowerline Assessment Data

What was background in CPM?



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**From:** Kelly Ausbrooks [<mailto:kausbrooks@amrad.com>]

**Sent:** Friday, March 15, 2019 11:02 AM

**To:** Bordelon, David <[David.Bordelon@WestonSolutions.com](mailto:David.Bordelon@WestonSolutions.com)>; Greg Lord <[glord@aar-llc.com](mailto:glord@aar-llc.com)>

**Subject:** RE: Lowerline Assessment Data

**\*\* External Email \*\***

The short answer is no. Because LDEQ asked that we use 2x background as their general rule of thumb for approximately 5 pCi/g, we did not run microshield or other computer models to determine a specific correlation factor. We couldn't do that reliably anyway given that we are measuring dose rate at the surface and the contamination is 24-30 inches BGS.

I'm working on responses to your other questions now.

K

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**From:** Bordelon, David <[David.Bordelon@WestonSolutions.com](mailto:David.Bordelon@WestonSolutions.com)>

**Sent:** Friday, March 15, 2019 9:12 AM

**To:** Kelly Ausbrooks <[kausbrooks@amrad.com](mailto:kausbrooks@amrad.com)>; Greg Lord <[glord@aar-llc.com](mailto:glord@aar-llc.com)>

**Subject:** RE: Lowerline Assessment Data

Kelly,

Thanks again for the data. Do you have a CPM number correlated to 5 pCi/g.

David



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**From:** Kelly Ausbrooks [<mailto:kausbrooks@amrad.com>]

**Sent:** Thursday, March 14, 2019 3:21 PM

**To:** Bordelon, David <[David.Bordelon@WestonSolutions.com](mailto:David.Bordelon@WestonSolutions.com)>; Greg Lord <[glord@aar-llc.com](mailto:glord@aar-llc.com)>

**Subject:** RE: Lowerline Assessment Data

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I was able to reformat into an Excel file that's small enough to transmit. I didn't embed the images. The file includes all the salient information. Coordinates are in LA state plane, NAD 83 datum, differentially corrected. CPM is from a Ludlum 44-10, gross counts, open window on the 2221 with 1 second export.

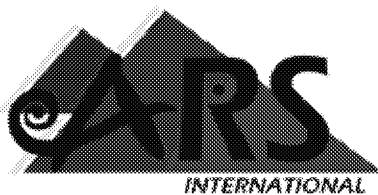
Let me know if there's any questions.

KA

**Kelly Ausbrooks, MS, CHP**

Corporate Radiation Safety Officer

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**From:** Bordelon, David <[David.Bordelon@WestonSolutions.com](mailto:David.Bordelon@WestonSolutions.com)>

**Sent:** Thursday, March 14, 2019 11:07 AM

To: Kelly Ausbrooks <[kausbrooks@amrad.com](mailto:kausbrooks@amrad.com)>; Greg Lord <[glord@aar-llc.com](mailto:glord@aar-llc.com)>

Subject: Lowerline Assessment Data

Kelly or Greg,

Were you able to set up an FTP site to transfer the Lowerline data?



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